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(54) Title: A COPLANAR WAVEGUIDE LINE

(57) Abstract: A coplanar waveguide line comprising a substrate; a central electrode strip on the substrate; first and second electrode strips disposed on opposite sides of the central electrode strip and extending parallel thereto; first and second optical waveguides on the substrate, the optical waveguides being positioned between the first and central electrode strips and extending parallel thereto; the central electrode comprising at least one T-rail extending proximate to the first optical waveguide; the first electrode comprising at least one T-rail extending proximate to the second optical waveguide; the substrate comprising an n* electrically conducting layer extending between the optical waveguides; wherein the coplanar waveguide line further comprises an electrical connection between first and second electrode strips.

